

CONTINUING EDUCATION POLICY FOR ENGINEERS RELATING TO HEALTH, SAFETY AND WELFARE

These example topics, related to these health, safety and welfare issues, shall be considered acceptable for credit as professional development hours in fulfillment of the continuing education requirement for engineers registered with the Tennessee State Board of Architectural and Engineering Examiners. The registrant shall also meet the requirements per rule 0120-5-.06 (Types of Acceptable Continuing Education), of the Rules for Continuing Education established by the Tennessee State Board of Architectural and Engineering Examiners.

(A) LEGAL AND ADMINISTRATIVE ISSUES

1. Planning
2. Construction law
3. Governmental policies and laws that affect the use and/or development of a project
4. Development restrictions
5. Construction contracts and the responsibilities of the various parties under the construction contract
6. Professional liability issues
7. The bid evaluation process, including alternates, unit prices, bidder qualifications, bonds, etc.
8. Legal aspects of the bidding process, such as bid form, bid bond, addenda, etc.
9. Legal procedures for change orders and addenda
10. Ethical standards for professional practice
11. Project
 - a. Management
 - b. Business law
 - c. Accounting/Finance
 - d. Etc.

(B) INVENTORY

1. History of the profession and/or projects
2. Information sources, such as existing documentation
3. Surveying practices
4. Landscape architecture practices
5. Architectural practices

(C) ANALYSIS

1. Mathematics
2. Geology

3. Historical patterns
4. Sociological, historical and cultural influences on design
5. Behavioral factors relating to design
6. Resource preservation
7. Floodplain management principles
8. Stormwater management technologies
9. Water supply and conservation technologies
10. Characteristics of fire hazard areas
11. Visual analysis methods and techniques

(D) DESIGN ISSUES

1. Design principles
2. Functional relationships among program elements
3. Code requirements and design principles for universal accessibility
4. Principles of sustainability
5. Any codes related to the profession

(E) CONSTRUCTION METHODS AND PROCESSES

1. Construction methods and techniques
2. Construction equipment and technologies
3. Quality control procedures for construction, such as delivery, storage, testing, etc.
4. Sequencing of design, approval, permitting and construction activities
5. Methods of installation of construction materials
6. Factors influencing selection of materials (e.g., availability, cost, maintenance, location, survivability, dependability)

(F) DOCUMENTATION AND ADMINISTRATION

1. Components of specifications for a project
2. Specification types (e.g., material, workmanship, performance, proprietary)
3. General and supplemental conditions, special provisions, and technical specifications and their organizations
4. Computer technology for design and administration

(G) OTHER ISSUES

1. Any other beneficial topics that encourage, enhance, or reduce risk to the health, safety and welfare of the general public.

Adopted 1-10-08